

	Calculations for:	Made by	Date
	South Park Bridge Replacement Project	E. Evans	6/8/2009
		Checked by	Date
		M. Freas	6/30/2009
		Backchecked by	Date

Horizontal Stopping Sight Distances and Design Speeds

Horizontal Alignment Name: Orr

PC Sta. PT Sta.	Baseline R	BL Offset	Lane W Shdr. W	Grade	CL Lane Radius	M	SSD	Design Speed (mph)			Curve Length	Ah. Tan. Length
								Design	Exist.	Req'd		
10+74.73	111.01' Lt	5.50'	11.00'	0.22%	105.51'	5.50'	68'	11.0	11.9	10	158.62'	0.00'
12+33.35			0.00'									
12+33.35	111.01' Rt	5.50'	11.00'	0.41%	105.51'	5.50'	68'	11.0	11.9	10	124.07'	---
13+57.42			0.00'									

Template Dated 10/20/2006

Notes:

- 1) The Stopping Sight Distance and Design Speed calculations are based on WSDOT Design Manual, Chapter 650, dated May 2006.
- 2) The "BL Offset", baseline offset, is the distance from the alignment baseline to the centerline of the inside lane. It is positive when the inside lane is inside the baseline curve.
- 3) The default calculation for the "M" distance assumes that the sight obstruction is at the edge of the inside shoulder. If the sight obstruction is at a different location, then this distance must be entered by the user.